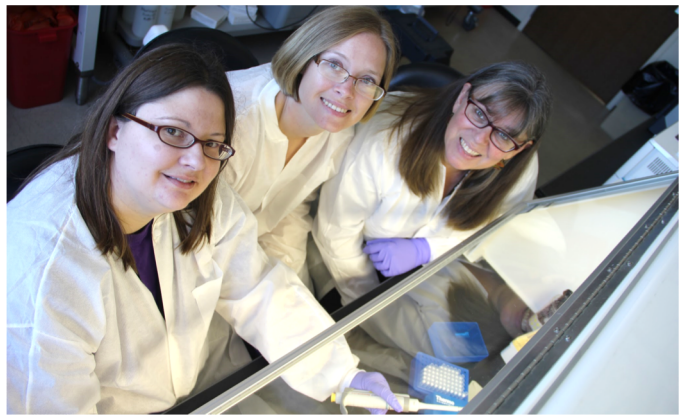


USB Conference Attack



Heather Davidson
7-12 STEM
North Cedar Jr/Sr High School
State Hygienic Laboratory

Part I: Overview of Business

- Since 1904, the SHL has been at the forefront of public health issues in Iowa. As the state’s public health and environmental laboratory, the SHL serves all of Iowa’s 99 counties through disease detection, environmental monitoring, and newborn and maternal screening.
- In its early years, the Hygienic Laboratory tested for typhoid diphtheria, rabies, and tuberculosis.
- Today, the SHL also quickly responds to other infectious disease threats, including mumps, whooping cough, salmonella and global threats such as HIV and tuberculosis. The lab’s mission has also expanded to address biological and chemical terrorism response and readiness.

Part II: Job Specifics

I worked at the SHL to extend their K-12 outreach programs.

- Each year through a selection process, the SHL mentors junior high and high school students with their science projects through our Student Mentorship Program.

Internships & Practicums

- Prepare for your next career adventure by embarking on an opportunity at the State Hygienic Laboratory.

Fellowships

- Fellowships provide students (generally post-graduate) an opportunity to apply the technologies, methods and practices related to their field of expertise in a professional environment.

Part III: Introduce the Problem.

- The SHL needs to protect their information from the public while doing research. They do not want to become compromised.
- Free USB drives given at many training conferences. They may contain malware or viruses.
- Protect Client Information

Part IV: Background

- What each division does at the SHL.
- Where did the USBs come from?
- Target Audience: Public, SHL Personnel
- Data Breach
- IT Solutions
- Website Link: <http://www.shl.uiowa.edu/>

Part V: Business Solution

- SHL worked with their extern and personnel to come up with safety measures when attending conferences and there are free USB drives. These drives need to be assessed and to make sure they are safe to use.
- The vendors must be approved by the lab to safely use their USB drives if they are given to attendees.
- Create an SOP for conferences at SHL and other locations.

Part VI: Student Solutions

- Create a procedure to determine if the USB is infected before putting into the computers.
- Only select the USB from approved vendors.
- Don’t take the USB to keep the information secure on the computer.